

4. Debra

Program Name: Debra.java

Input File: debra.dat

Debra loves ASCII art, and has found a really cool website (<http://www.chris.com/ascii>) that has all kinds of beautiful ASCII graphic pictures, created by using only the characters found on the keyboard. She particularly liked the flowers, and found a cute one she really liked, shown below:

```
| ^^^^^^^^^^^^^^^^^^ |
|  {o}{o}{o}  |
|  |  |  |  |  |
|  \|\|/\|/\|  |
|  [~~~~~]  |
|  |~~~~~|  |
|  |_____| ldb |
| vvvvvvvvvvvvvvvvv |
```

```
| ^^^^^^^^^^^^^^^^^^ |
|      }o{ }o{ }o{  |
|      |  |  |  |  |
|      /\|/\|/\|/\  |
|      ]~~~~~[  |
|      |~~~~~|  |
| bdl |_____|  |
| vvvvvvvvvvvvvvvvv |
```

She noticed the initials **ldb** as a part of the picture and after looking through the website realized those belonged to the artist who created the picture. Debra decided to play around with the graphic and wanted to see what it would be like if she reversed it. It wasn't quite the mirror image, but pretty close, and it was certainly a fun exercise. Help her by writing a program to output the mirror image of a given graphic, like the example shown above.

Input: Several sets of data, each consisting of two integers R and C, representing the dimensions of a rectangular graphic, enclosed in a frame like the one shown in the example above, followed by R rows with C characters in each row, containing an ASCII graphic picture. All of the blanks are single spaces, no tabs included.

Output: The mirror image of the ASCII graphic, each output followed by "=====".

Sample input:

```
8 17
| ^^^^^^^^^^^^^^^^^^ |
|  {o}{o}{o}  |
|  |  |  |  |  |
|  \|\|/\|/\|  |
|  [~~~~~]  |
|  |~~~~~|  |
|  |_____| ldb |
| vvvvvvvvvvvvvvvvv |
14 18
| ^^^^^^^^^^^^^^^^^^ |
|      .-.  |
|      \// /'  |
|      )/ // ///  |
|      |// // ///  |
|      /// // ///  |
|      /// // ///  |
|      /// // ///  |
|      (: : // ///  |
|      `;` : ///  |
|      / / :`:/  |
|      / / `  |
|      / /      |
|      (/  hh  |
| vvvvvvvvvvvvvvvvv |
```

Sample output:

```
| ^^^^^^^^^^^^^^^^^^ |
|      }o{ }o{ }o{  |
|      |  |  |  |  |
|      /\|/\|/\|/\  |
|      ]~~~~~[  |
|      |~~~~~|  |
| bdl |_____|  |
| vvvvvvvvvvvvvvvvv |
=====
| ^^^^^^^^^^^^^^^^^^ |
|      .-.  |
|      \// /'  |
|      )/ // ///  |
|      |// // ///  |
|      /// // ///  |
|      /// // ///  |
|      /// // ///  |
|      /// // :` (  |
|      /// :` ;`  |
|      / :` : /  |
|      `  / /  |
|      / /      |
|      hh  / _ (  |
| vvvvvvvvvvvvvvvvv |
=====
```